

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

EXPRESS MAIL NO. EL791137305US

Applicant : Christopher Latham, et al,
Application No. : N/A
Filed : June 27, 2001
Title : DEVICE CONTROLLER AND CONTROL
ARRANGEMENT

Grp./Div. : N/A
Examiner : N/A

Docket No. : 45542/DBP/T183

PRELIMINARY AMENDMENT

Assistant Commissioner for Patents
Washington, D.C. 20231

Post Office Box 7068
Pasadena, CA 91109-7068
June 27, 2001

Commissioner:

Please amend the above-identified application as follows:

IN THE SPECIFICATION

After the title please add the following:

--CROSS-REFERENCE TO RELATED APPLICATION

This application claims priority of United Kingdom patent Application No. 00 15559.8, filed on June 27, 2000.--

IN THE CLAIMS

By this Amendment, Applicants are amending claim 7. Pending claims 1 to 13 follow.

1. A controller for controlling a device driven by an AC supply, the controller being adapted to intermittently interrupt the AC supply such to encode a control signal therein.

2. A controller as claimed in claim 1 connectable to an AC mains to thereby receive the AC supply.

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3. A controller as claimed in claim 1 which is adapted to begin and end interruptions of the AC supply when the supply potential is substantially zero.

4. A controller as claimed in claim 3, wherein the controller is such as to cause interruptions of one AC cycle in duration.

5. A controller as claimed in claim 1, wherein the controller is such as to interrupt the AC every X cycles, where X is adjustable and different values of X represent different control signals.

6. A controller as claimed in claim 5 wherein the controller is adapted to receive control input and to adjust X to correspondingly control the device.

(Amended) 7. A control arrangement for controlling a device, comprising an AC supply, a controller as claimed in claim 1, an AC supply line for conducting the encoded AC supply from the controller to the device and a detector for receiving the AC supply, decoding the control signal and controlling the device in dependence thereupon.

8. A control arrangement as claimed in claim 7 wherein the device is an external aircraft light.

9. A control arrangement as claimed in claim 8, wherein the aircraft light has a visible light emitter and an infra red emitter both controllable by the controller.

10. A control arrangement as claimed in claim 8, which is adapted to begin and end interruptions of the AC supply when the supply potential is substantially zero.

11. A control arrangement as claimed in claim 8, wherein the controller is such as to cause interruptions of one AC cycle in duration.

12. A control arrangement as claimed in claim 8, wherein the controller is such as to interrupt the AC every X cycles, where X is adjustable and different values of X represent different control signals.

13. A control arrangement as claimed in claim 8, wherein the controller is adapted to receive control input and to adjust X to correspondingly control the device.

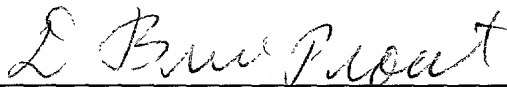
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REMARKS

Attached hereto is a marked-up version of the changes made to the claims by the current amendment. The attached page is captioned "Version with markings to show changes made."

Respectfully submitted,

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DBP/aam

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